

WHAT IS CLAIMED IS:

1. A method of identifying a bacteria in a sample, comprising the steps of:

a) providing a sample suspect of comprising a bacteria to be identified;

5 b) exposing the sample to an antibody specific for a lipoprotein of the bacteria and an agglutination reagent;

c) allowing the sample to react with the antibody and the agglutination reagent; and

10 d) whereby the presence of the bacteria is indicated if an agglutination occurs.

2. The method of Claim 1, wherein:

the bacteria to be identified comprises an oxidase-positive organism.

3. The method of Claim 2, wherein:

the antibody comprises monoclonal antibody PS2.

4. The method of Claim 3, wherein:
the agglutination reagent comprises a strain of *Staphylococcus* bacteria.
5. The method of Claim 4, wherein:
the organism comprises *Pseudomonas aeruginosa*.
6. A method of identifying *Pseudomonas aeruginosa* in a sample, comprising the steps of:
- a) providing a sample suspect of comprising *Pseudomonas aeruginosa*;
 - b) cultivating organism in a suitable medium;
 - c) removing a portion of the cultured organism and exposing to a first reagent;
 - d) exposing the organism obtained in step c) to second and third reagents, the second reagent comprising an agglutination reagent and the third reagent comprising an antibody specific for a lipoprotein of *Pseudomonas aeruginosa*;
 - e) allowing the components in step d) to react; and
 - f) whereby the presence of *Pseudomonas aeruginosa* is indicated if an agglutination occurs.

7. The method of Claim 6, wherein:
the step c) of removing and exposing a portion of the cultured organism to a first reagent comprises extracting from the *Pseudomonas aeruginosa* organism a lipoprotein by an extraction reagent.
8. The method of Claim 7, wherein:
the lipoprotein comprises lipoprotein 1.
9. The method of Claim 6, wherein:
the agglutination reagent comprises a strain of *Staphylococcus* bacteria.
10. The method of Claim 9, wherein:
the *Staphylococcus* strain is stained generally blue; and
the presence of *Pseudomonas aeruginosa* is indicated by a generally blue agglutination.
11. The method of Claim 9, wherein:
the antibody comprises monoclonal antibody PS2.

12. The method of Claim 6, wherein:
the step b) comprises incubating for a period of about 18 to 24 hours.
13. The method of Claim 6, further comprising the step of:
g) isolating oxidase-positive organism from the medium prior to step c).
14. A kit for testing the presence of *Pseudomonas aeruginosa* in a sample, comprising:
a) an agglutination reagent; and
b) an antibody specific for a lipoprotein of *Pseudomonas aeruginosa*.
15. The kit of Claim 14, further comprising:
a) a reagent for extracting the lipoprotein from *Pseudomonas aeruginosa*.
16. The kit of Claim 15, wherein:
a) the agglutination reagent comprises a strain of *Staphylococcus* bacteria.

17. The kit of Claim 16, wherein:
- a) the antibody comprises monoclonal antibody PS2.
18. The kit of Claim 15, further comprising:
- a) a negative control reagent.